

Title (en)
METHOD OF PRODUCING FLUORINATED POLYMER

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES FLUORIERTEN POLYMERS

Title (fr)
PROCÉDÉ DE FABRICATION D'UN POLYMÈRE FLUORÉ

Publication
EP 2415793 B1 20150114 (EN)

Application
EP 10758742 A 20100330

Priority
• JP 2010055752 W 20100330
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Abstract (en)
[origin: EP2415793A1] According to this invention, a process for producing fluorine containing polymer to obtain composite polymer electrolyte composition having excellent ion transport number, that is, ion transfer coefficient, for example, excellent transport number of lithium ion, is provided. A process for producing fluorine containing polymer comprising graft-polymerizing a molten salt monomer having a polymerizable functional group and a quaternary ammonium salt structure having a quaternary ammonium cation and anion, with a polymer having the following unit;
#####-(CR 1 R 2 -CFX)- X means halogen atom except fluorine atom, R 1 and R 2 mean hydrogen or fluorine atom, each is same or different atom.

IPC 8 full level
C08F 259/08 (2006.01); **H01B 1/06** (2006.01); **H01B 1/12** (2006.01); **H01G 9/022** (2006.01); **H01G 9/025** (2006.01); **H01G 9/028** (2006.01); **H01G 9/032** (2006.01); **H01G 11/06** (2013.01); **H01G 11/54** (2013.01); **H01G 11/56** (2013.01); **H01G 11/62** (2013.01); **H01L 31/04** (2014.01); **H01M 8/02** (2006.01); **H01M 8/10** (2006.01); **H01M 10/0525** (2010.01); **H01M 10/0565** (2010.01); **H01M 14/00** (2006.01); **H05B 33/22** (2006.01); **H10K 99/00** (2023.01)

CPC (source: EP US)
C08F 259/08 (2013.01 - EP US); **H01B 1/122** (2013.01 - EP US); **H01G 9/028** (2013.01 - US); **H01G 9/2009** (2013.01 - US); **H01G 9/2027** (2013.01 - US); **H01G 11/56** (2013.01 - EP US); **H01G 11/62** (2013.01 - EP US); **H01M 8/1023** (2013.01 - EP US); **H01M 8/1039** (2013.01 - EP US); **H01M 8/1053** (2013.01 - EP US); **H01M 8/1088** (2013.01 - EP US); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0565** (2013.01 - EP US); **H10K 85/141** (2023.02 - US); **H10K 85/151** (2023.02 - US); **H01M 2008/1095** (2013.01 - US); **H01M 2300/0082** (2013.01 - US); **H10K 50/135** (2023.02 - EP US); **H10K 50/16** (2023.02 - US); **Y02E 10/542** (2013.01 - EP US); **Y02E 10/549** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP US); **Y02E 60/13** (2013.01 - US); **Y02E 60/50** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Cited by
CN103833675A; CN103456506A; CN109627227A; EP3614469A4; CN109314276A; CN107207816A; EP3211033A4; US11777137B2; US11530306B2; US11296356B2; US11462767B2; WO2017220312A1

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DOCDB simple family (publication)
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